

SMART SEARCHING:

AN ONLINE INFORMATION FLUENCY TUTORIAL TAILORED SPECIFICALLY TO
INTRODUCTORY ENGINEERING STUDENTS

Eric Resnis

**Engineering Librarian/
Instruction Coordinator**



**MIAMI
UNIVERSITY**

OXFORD OHIO

TRENDS IN INFORMATION LITERACY INSTRUCTION

- Online Information Literacy Tutorials
 - The Texas Information Literacy Tutorial (TILT)
 - Georgetown University's Scholarly Research and Academic Integrity Tutorial
- PRIMO by ACRL
 - Peer-Reviewed Instructional Materials Online
- One-size-fits-all vs. Subject-specific



TUTORIAL CREATION

- Smart Searching: Finding, Citing & Evaluating Information
- Learning Modules
- Introduction, Tools, Techniques & Practice
- À la carte content



MIAMI
UNIVERSITY

OXFORD OHIO

TUTORIAL OVERVIEW

Smart Searching

Finding, Citing & Evaluating Information

EAS 101

Finding Articles

Citing Sources

Finding Books

**Searching for Web
Information**

Evaluating Information

Final Quiz

Contact Librarian for Help
feedback

Brill Science Library Weblog

EAS 102 Quiz Instructions

Printable Handouts

Finding Full Text
Truncation
Boolean Logic



Try It!
LabWrite
Makes writing that
lab report a breeze!

WELCOME EAS 101 STUDENTS!

Presented here are tutorials and links that will help you learn new skills and find the information you need to successfully complete your EAS assignments. Remember, the information skills you learn here will also help you in your other classes and personal pursuits.

On the left of this page you will find short tutorials that will help you learn how to find and evaluate information. Clicking on the links will take you to different tutorials. You can also [start here](#).

Smart Searching

Finding, Citing & Evaluating Information

EAS 101

Finding Articles

+ Introduction

Tools

Techniques

Practice

Citing Sources

- Introduction
- tools
- techniques
- practice

Finding Books

- Introduction
- tools
- techniques
- practice

Searching for Web Information

- Introduction
- tools
- techniques
- practice

Evaluating Information

- Introduction
- tools
- techniques
- practice

Final Quiz

WHAT AM I GOING TO LEARN?

After you have completed this Finding Articles Module you will:

- Understand what a research database is and when to use one
- Understand the difference between scholarly and popular articles
- Have learned time-saving and precision-improving search techniques
- Know how to use Business Search Premier--a database you may use for EAS 101 (but remember, this database will also serve your research needs for other classes too!)

A NOTE ABOUT FINDING ARTICLES

To find articles you need to use an article database, also called a research database, or just database. Some articles are available on the web, but when you use a database, you are systematically covering your topic. Databases provide access by subject, date, author, and many other categories that a web search cannot. You will save time and effort, and find more precisely what you need, by using a database to find articles.

WHY USE JOURNAL ARTICLES?

Information comes in many formats, such as books, newspaper articles, journal articles, web pages and videos. What's so special about a journal article? Journal articles typically:

- Provide current information written by an expert in the field
 - Published quicker than a book
- Provide information about a specific aspect of a topic

TUTORIAL OVERVIEW

TUTORIAL BLOG

techniques
practice

Finding Books
introduction
tools
techniques
practice

Searching for Information
introduction
tools
techniques
practice

Evaluating Information
introduction
tools
techniques
practice

Final Quiz

Contact Librarian
Feedback

Brill Science Library Weblog
EAS 102 Quiz Instructions

needs for other classes (007)

Tutorials Blog

EAS 102 Quiz Instructions

January 8th, 2007

Hey 102 students.....

Before lab next week... Take a stroll through the tutorial and be sure to complete the quiz. To take the quiz, click on the "Final Quiz" link on the left toolbar. Login with your unique id/password and choose your lab section. Then complete the quiz.

Posted in [Uncategorized](#) | [No Comments](#) »

Search

5
ary 2007

ries
ategorized (1)

ster

> [Valid XHTML](#)
> [XFN](#)
> [WordPress](#)

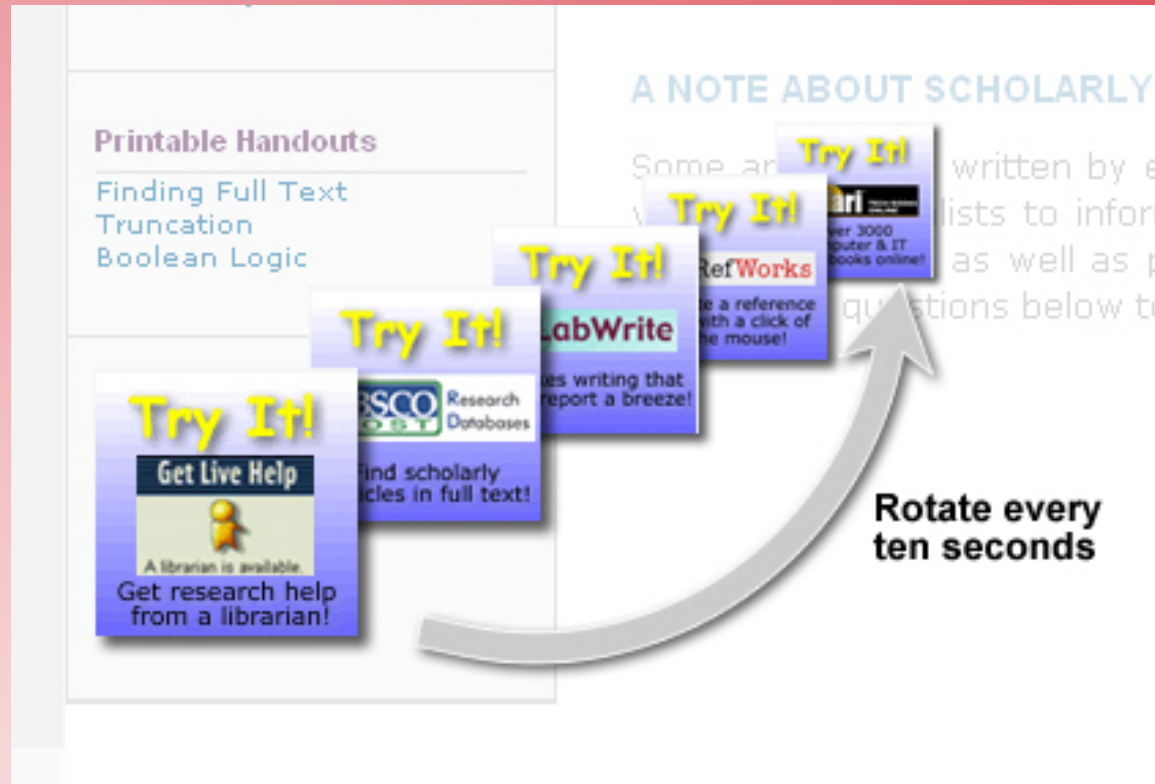
• This is what I did, how and my results
• Add to the body of scientific knowledge

A NOTE ABOUT SCHOLARLY JOURNALS vs. POPULAR MAGAZINES



MIAMI
UNIVERSITY
OXFORD OHIO

TUTORIAL “ADS”



MIAMI
UNIVERSITY
OXFORD OHIO

IMPLEMENTATION

- Fall 2004: Introduced to BMZ 115/116
- Fall 2006: Introduced to EAS 101 (w' final quiz - not required)
- Spring 2007: Introduced to EAS 102 in conjunction with library instruction (quiz required)
- Fall 2007: Becomes assignment in EAS 101



MIAMI
UNIVERSITY

OXFORD OHIO

EVALUATION

- EAS 101/102
 - Final Quiz with Usability Questions
 - Homework from EAS 102 instruction



MIAMI
UNIVERSITY

OXFORD OHIO

FINAL QUIZ

- 5 Questions Randomly Selected (set of 10)
- 3 Usability Questions
- Quiz Login (Results in Database)



MIAMI
UNIVERSITY
OXFORD OHIO

QUIZ RESULTS

- >75% Scored 4 or 5 correctly
- <3% answered 0 or 1 correctly
- Best performance: academic integrity, peer-review journals, OhioLINK
- Worst performance: Journal citations, choosing resources



MIAMI
UNIVERSITY

OXFORD OHIO

EAS 102 HOMEWORK

- Lab since Spring 2006
- Using Catalog/Academic Search Complete/Engineering Databases
- Spring 2007 (and subsequent semesters) includes 2 points for tutorial completion



MIAMI
UNIVERSITY

OXFORD OHIO

EAS 102 HOMEWORK

	Spring 2006	Fall 2006	Spring 2007	Spring 2007 Adjusted
Average Score (points)	13.06 (of 15)	14.11 (of 15)	14.05 (of 17)	14.95 (of 15)
Average Score (%)	87.1	94.1	82.6	99.7

	Fall 2007	Fall 2007 Adjusted	Spring 2008	Spring 2008 Adjusted
Average Score (points)	14.28 (of 17)	14.84 (of 15)	14.97 (of 17)	14.56 (of 15)
Average Score (%)	84.0	98.9	88.1	97.1



TUTORIAL EVOLUTION

- Fall 2007: Introduction of EScholar
 - Academic Integrity/Basic Info Lit Tutorial
- Changes in Course Format
 - Focus on specific design assignments
 - Inconsistency between different semesters



MIAMI
UNIVERSITY

OXFORD OHIO

CONCLUDING THOUGHTS

- Team approach invaluable (content/design)
- Support from departmental faculty
- Assume this will be seen by students as “just another assignment”



MIAMI
UNIVERSITY

OXFORD OHIO

SMART SEARCHING:

FINDING, CITING & EVALUATING INFORMATION

<http://elearn.lib.muohio.edu/science/eas/>

<http://elearn.lib.muohio.edu/science/eas102/>

POWERPOINT & MULTIMEDIA FILES ARE AVAILABLE AT -

<http://elearn.lib.muohio.edu/science/asee/>

ERIC RESNIS

eric.resnis@muohio.edu

JEN-CHIEN YU

yuj@muohio.edu



**MIAMI
UNIVERSITY**

OXFORD OHIO